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| 1 | 6 | finite adj element adj analysis adj mesh and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:12 |
| 2 | 1 | finite adj element adj analysis adj mesh and weld\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:35 |
| 3 | 5 | finite adj element adj analysis adj mesh and (weld\$ stress\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:36 |
| 5 | 96 | finite adj element adj analysis and weld\$ and stress\$ and distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:34 |
| 6 | 0 | finite adj element adj analysis and analytical adj solution and weld\$ and stress\$ and distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:36 |
| 7 | 693 | analytical adj solution and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:35 |
| 8 | 43 | analytical adj solution and weld\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:35 |
| 9 | 259 | analytical adj solution and (weld\$ stress\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:36 |
| 10 | 9 | finite adj element adj analysis and analytical adj solution and (weld\$ stress\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:37 |
| 11 | 2 | finite adj element adj analysis and analytical adj solution and weld\$ and (stress\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:39 |

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|----|------|--|---|---------------------|
| 13 | 1157 | model and weld\$ and stress\$ and distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:42 |
| 14 | 7 | model same weld\$ same stress\$ same distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:40 |
| 15 | 193 | model and mesh and weld\$ and stress\$ and distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:42 |
| 16 | 109 | model and mesh and (finite element) and (analytical solution) and weld\$ and stress\$ and distort\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:43 |
| 17 | 9 | model and mesh and (finite element) and (analytical solution) and weld\$ and residual adj stress\$ and (distort\$ deform\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:44 |
| 18 | 9 | model and mesh and (finite element) and (analytical solution) and weld\$ and residual adj stress\$ and (distort\$ deform\$) and structur\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:54 |
| 19 | 27 | 703/\$ and thermal near analysis and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:05 |
| 20 | 5 | 703/\$ and thermal near analysis same (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:55 |
| 21 | 13 | 703/\$ and thermal near analysis same ((finite near element) stress) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:09 |
| 22 | 2 | 703/\$ and thermal near analysis same ((analytical near solution) (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:12 |
| 23 | 2 | 5796617.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:35 |

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| 24 | 0 | 703/\$ and weld\$ and thermal near analysis same (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:56 |
| 25 | 0 | 703/\$ and weld\$ and thermal near analysis and (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:56 |
| 26 | 0 | 700/\$ and weld\$ and thermal near analysis and (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:56 |
| 27 | 0 | 700/\$ and weld\$ and thermal near analysis same (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 11:57 |
| 28 | 2 | weld\$ and thermal near analysis same (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:02 |
| 29 | 19 | weld\$ and thermal near analysis and (((finite near element) and stress) ((analytical near solution) and (deform\$ distort\$))) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:11 |
| 30 | 0 | weld\$ and thermal near analysis and (finite near element) and stress and (analytical near solution) and (deform\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:12 |
| 31 | 12 | weld\$ and thermal near analysis and (finite near element) and stress and (deform\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:15 |
| 32 | 6 | weld\$ and thermal near analysis and (finite near element) and analysis same (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:18 |
| 33 | 19 | weld\$ and thermal near analysis and analysis same (deform\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:21 |
| 34 | 16 | weld\$ and thermal near analysis and analysis same (stress and deform\$ distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:23 |

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|----|-------|--|---|---------------------|
| 35 | 8 | weld\$ and thermal near analysis and analysis same (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:25 |
| 36 | 174 | weld\$ and analysis same (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:25 |
| 37 | 4 | (703/2 703/6 703/7) and weld\$ and analysis same (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:32 |
| 38 | 1 | 700/98 and weld\$ and analysis same (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:31 |
| 39 | 1 | 700/98 and weld\$ and analysis and (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:31 |
| 40 | 6 | (703/2 703/6 703/7) and weld\$ and analysis and (stress and (deform\$ distort\$)) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 12:32 |
| 44 | 2 | 09/270007 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 13:11 |
| 45 | 3 | "09311150" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 13:11 |
| 46 | 2 | adiabatic near boundary and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:17 |
| 47 | 15449 | adiabatic and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:15 |
| 48 | 17 | 703/\$ and adiabatic and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:15 |

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| 49 | 1 | 703/\$ and adiabatic with boundary and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:18 |
| 50 | 59 | 703/\$ and conduct\$ with boundary and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:19 |
| 51 | 6 | 703/\$ and conduct\$ near boundary and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:20 |
| 52 | 6 | reflected near heat near source and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:21 |
| 53 | 389 | boundary same heat near source and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:21 |
| 54 | 5 | boundary same (reflected point) near heat near source and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 15:22 |
| 83 | 2 | 6324491.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 18:00 |
| - | 9 | 703/2 and (model\$ simulat\$) same weld\$ and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/31 10:30 |
| - | 12 | 703/2 and (model\$ simulat\$) and weld\$ and (stress distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 17:25 |
| - | 96 | 703/2 and (model\$ simulat\$) and (coordinat\$ node mesh) and (stress distort\$) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 17:26 |
| - | 34 | 703/2 and (model\$ simulat\$) and (coordinat\$ node mesh) and (stress distort\$) and (weld\$ thermal) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 17:33 |

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|---|----|--|---|---------------------|
| - | 2 | 6398102.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 17:32 |
| - | 45 | 703/2 and (model\$ simulat\$) and (coordinat\$ node mesh) and (stress distort\$) and (weld\$ thermal temperature) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 17:34 |
| - | 30 | 703/2 and (model\$ simulat\$) same (stress distort\$) and (coordinat\$ node mesh) and (weld\$ thermal temperature) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 19:52 |
| - | 7 | 703/2 and (model\$ simulat\$) same (stress distort\$) same (coordinat\$ node mesh) same (weld\$ thermal temperature) and (@ad<19991127 @rlad<19991127) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/30 19:52 |



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1 Thermal beam distortions in end-pumped Nd:YAG, Nd:GSGG, and Nd:YLF rods

Pfistner, C.; Weber, R.; Weber, H.P.; Merazzi, S.; Gruber, R.;

Quantum Electronics, IEEE Journal of , Volume: 30 , Issue: 7 , July 1994

Pages:1605 - 1615

[\[Abstract\]](#) [\[PDF Full-Text \(832 KB\)\]](#) **IEEE JNL**

2 Thermal convention and spherical aberration distortion of laser beams in low-loss liquids

Whinnery, J.; Miller, D.; Dabby, F.;

Quantum Electronics, IEEE Journal of , Volume: 3 , Issue: 9 , Sep 1967

Pages:382 - 383

[\[Abstract\]](#) [\[PDF Full-Text \(752 KB\)\]](#) **IEEE JNL**

3 Systems considerations in capacitive energy storage

Schempp, E.; Jackson, W.D.;

Energy Conversion Engineering Conference, 1996. IECEC 96. Proceedings of the 31st Intersociety , Volume: 2 , 11-16 Aug. 1996

Pages:666 - 671 vol.2

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Pages: 243 - 246 vol.1[\[Abstract\]](#)[\[PDF Full-Text \(352 KB\)\]](#)**IEEE CNF**

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1 Real-world applications of visualization solutions

Prawel, D.A.;

Visualization, 1990. Visualization '90., Proceedings of the First IEEE Conference on , 23-26 Oct. 1990

Pages:440 - 442

[\[Abstract\]](#)

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2 Modular single-stage, three-phase full-bridge converter with inherent power factor correction and isolated output

Hui, S.Y.R.; Ho, Y.K.E.; Chung, H.;

Electric Power Applications, IEE Proceedings- , Volume: 146 , Issue: 4 , July 1999
Pages:407 - 414

[\[Abstract\]](#)

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3 A hybrid resonant converter operated as a low harmonic rectifier with and without active control

Belaguli, V.; Bhat, A.K.S.;

Power Electronics Specialists Conference, 1996. PESC '96 Record., 27th Annual IEEE , Volume: 1 , 23-27 June 1996

Pages:720 - 726 vol.1

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